BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Construction of culverts in Amruthalli, Jakkur, kempapura, sahakaranagara and other surrounding areas in ward no.07 byatarayanapura
Estimated Cost:- 15.00 akhs

Name of Work:-Construction of culverts in Amruthalli, Jakkur, kempapura, sahakaranagara and other surrounding areas in ward no.07 byatarayanapura Estimated Cost:- 15.00 lkhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications.. Pg No.143.Item No.19.1)								
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
	Culverts		13	6.00	1.60	0.90	112.32		
	over buden earth		5	8.00	0.45	0.40	7.20		
					TOTAL		**119.52**	137.80	**16470.00**
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing, form works, scaffolding and centering complete as per specification . (Pg.No.222, It.27.18)								
	Basic Rate:	cum	5115.00						
	4.4*103.69		456.24						
	Sub total		5571.24						
	Area Weightage @ 6%		334.27						
	Total		**5905.51**						
	Culverts bottom		13.00	6.00	1.60	0.15	18.72		
	For ramps		26.00	6.00	0.60	0.15	14.04		
					TOTAL		**32.76**	5905.51	**193465.00**
3	KSRB 5.3-1:Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-25. Item No. 5.3)								
	Basic Rate:	cum	4596.00						
	Area Weightage @ 6%		275.76						
	Total		**4871.76**						
	Culvert		26	6.00	0.45	0.90	63.18		
					TOTAL		**63.18**	4871.76	**307798.00**

4	SRRB M200-5.1: Providing and laying cement concrete of mix 1:2:4 with OPC @ 240 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.63cum and fine aggregates @0.42 cum including cost of materials, labour, HOM curing, form works scaffolding and centering complete as per MORTH section:2200 & IS 456, A) Upto 5mtr height.(Pg No.226, It No.28.7.1)								
	Basic Rate:	cum	5421.00						
	4.8*103.69		497.71						
	Sub total		5918.71						
	Area Weightage @ 6%		355.12						
	Total		**6273.83**						
	Culvert vent portion		13	6.00	0.60	0.15	7.02		
	Culvert side wall coping		26	6.00	0.45	0.10	7.02		
	For ramps		26	6.00	0.60	0.15	14.04		
					TOTAL		**28.08**	6273.83	**176170.00**
5	Providing and fixing 20cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)								
	Culvert		130	1.50	0.60		117.00		
					TOTAL		**117.00**	5418.00	**633906.00**

6	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page 136, item No. 17.1)								
	Basic Rate	cum	57.00				119.52	94.34	11276.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10K		32.00						
	Total		89.00						
	Add Area Weightage6%		5.34						
			94.34						
7						Sub Total			1339085.00
8						Add 12% GST charges			160690.20
9						Miscelleneous charges			224.80
10						Total			1500000.00

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Executive Engineer
Byatrayanapura Division
B.B.M.P.

Administrative Approval
Accorded For 15.00 Lakhs only
Head of A/C POW
CER NO : 95 Dt: 13/12/2022

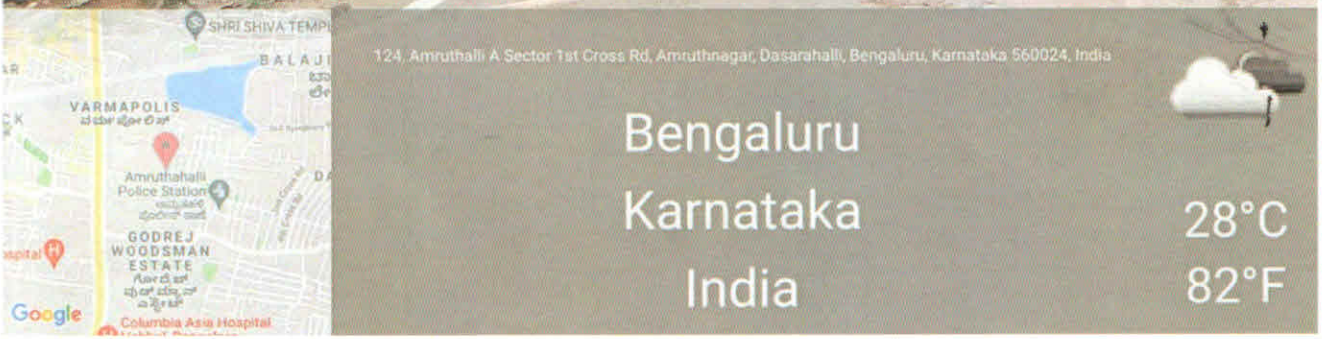
CE (YNK)

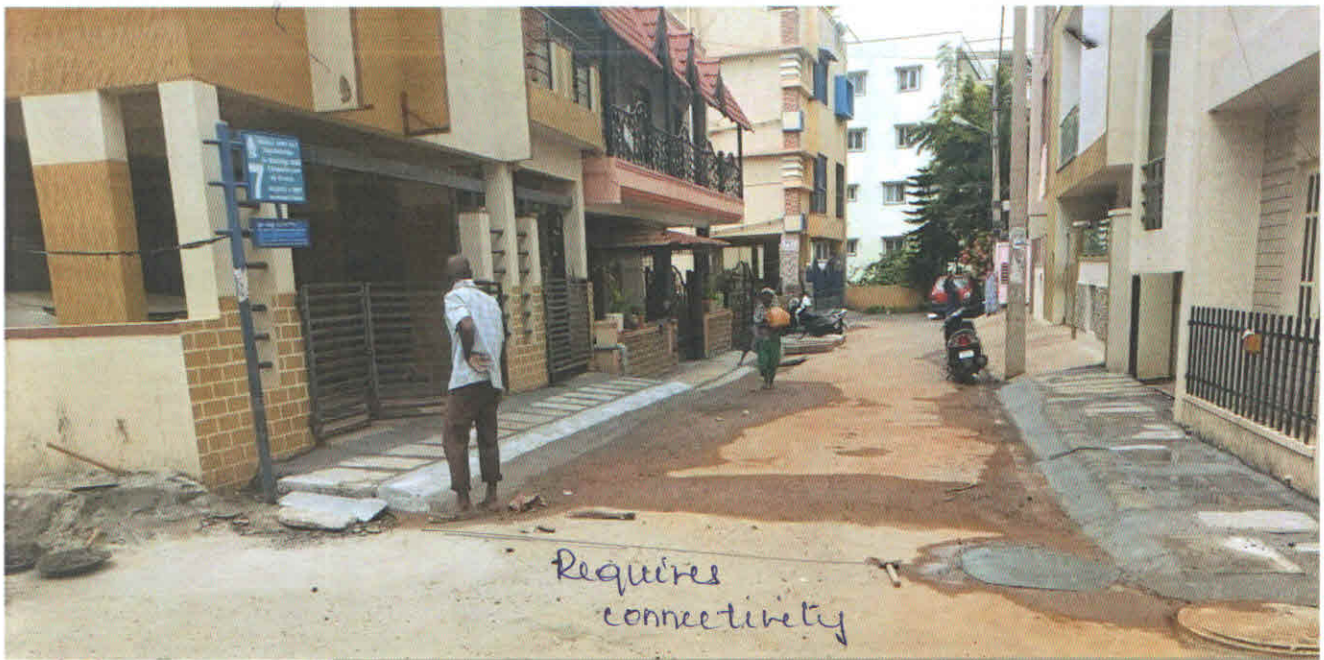
TECHNICAL SANCTION
Accorded For Rs. 15.00 Lakhs only
Head of A/c. POW
Div. Ref. No. 36 Date 15/02/22

AE 16/02

EE(BTP) 16/02

Name of work:- construction of cutrete in Amruthalli, and surrounding areas in ward no.07, byatarayanapura.





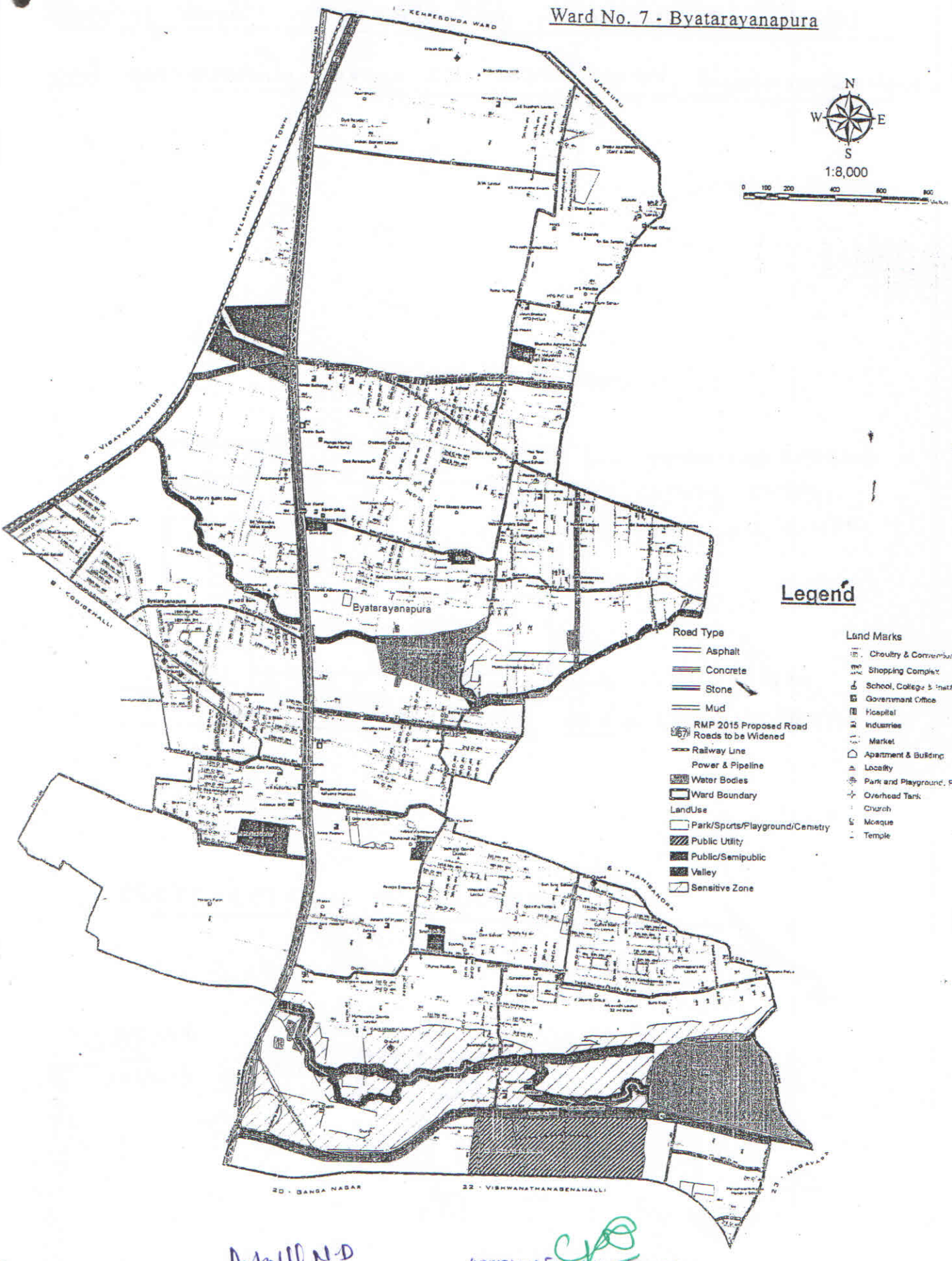
AE(NSK)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahar... ...ike
Bangalore - 560 092

BRUHATH BANGALORE MAHANAGAR PALIKE

Yelahanka Zone - Byatarayanapura Sub-division

Ward No. 7 - Byatarayanapura



Prepared by
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AREA: 9.60 Sq Kms

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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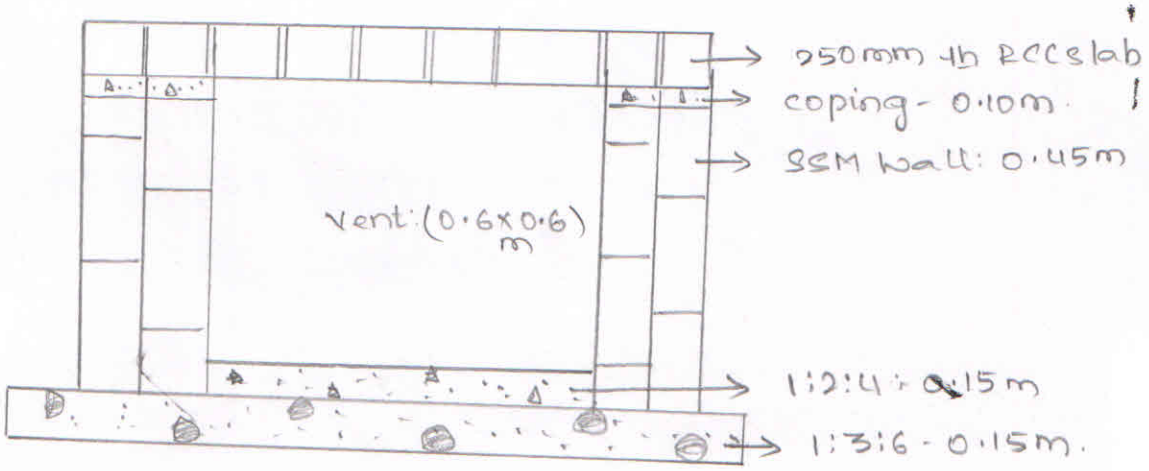

CROSS-SECTION OF CULVERT.

Ashalf.N.D
AE(NH)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa...
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